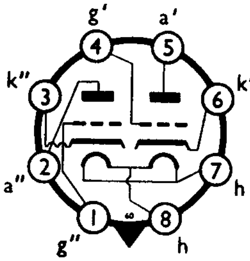
DOUBLE TRIODE

6·3V INDIRECTLY HEATED

A1834

APRIL, 1953

BASE CONNECTIONS AND VALVE DIMENSIONS



View from underside of base

Base : International octal
Bulb : Dome top pear

Overall length : 140 max. mm.
Seated length : 107 max. mm.
Diameter : 50 max. mm.

RATINGS

V_h		6·3	V
I_h		2·5	A
v_{h-k} (pk)		300 max.	V
		Per system	
V_a		250 max.	V
p_a		13 max.	W
μ	at V_a (b) = 135, I_a = 125 mA	2·1	
r_a		280	Ω
g_m		7·5	mA/V

TYPICAL OPERATION

D.C. Amplifier (values per system)

	Max. rating	Typical operation	
V_a(b)	250	135	V
I_a	125	125	mA
p_a	13		W
R_k		250	Ω
$R_{g\ k}$		1	MΩ

Scanning Booster (Max. ratings per system)

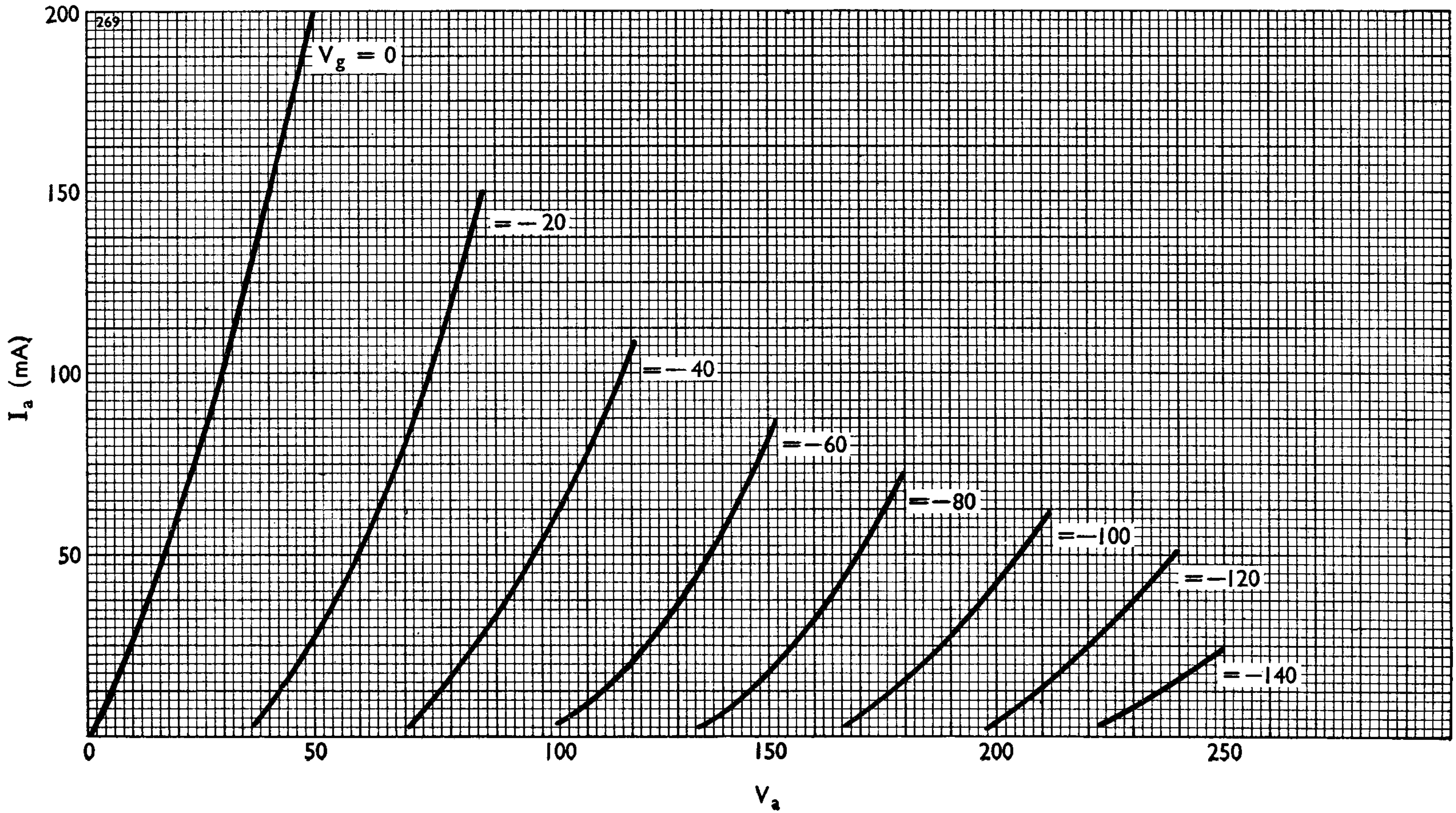
PIV*	1·7	kV
v_{h-k} (pk)	300	V
I_a	125	mA
p_a	13	W

* Duration of PIV limited to 10 μS and should not exceed 15% of scanning cycle.

The maximum permissible D.C. resistance between grid and cathode is limited to 1 MΩ with auto-bias. Fixed bias operation is not recommended.

MOUNTING

Any position.


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$V_g = 0$
= −20
= −40
= −60
= −80
= −100
= −120
= −140
200
150
100
50
0
50
100
150
200
250
I_a (mA)
V_a